CLAIMS

What is claimed is:

1 1.   A device for sending datagrams representing real time streaming media frames

2 to a client independent of whether the client is served by a network address proxy, the

3 device comprising:

4   means for receiving a datagram originated by the client that includes an

5 indicated network address and an indicated port number for receipt of the datagrams

6 representing real time streaming media frames;

7   means for extracting a source network address and a source port number from

8 the datagram originated by the client;

9   means for comparing the indicated network address to the source network

10 address;

11   means for addressing the datagrams representing real time streaming media

12 frames to the source network address and source port number if the indicated network

13 address and the source network address are not the same.

14

1 2.   The device of claim 1, further comprising means for addressing the datagrams

2 representing real time streaming media frames to the indicated network address and

3 the indicated port number if the indicated network address and the source network

4 address are the same.

5

1 3.   A device for sending datagrams representing real time streaming frames to a

2 client independent of whether the client is served by a network address proxy, the

3 device comprising:

4   means for receiving a session set up datagram originated by the client that

5 includes an indicated network address and an indicated port number for receipt of the

6 datagrams representing real time streaming media frames;

7   means for receiving a session datagram originated by the client that includes a

8 real time streaming media frame;

24

9   means for extracting a source network address and a source port number from

10   the session datagram originated by the client;

11   means for comparing the indicated network address to the source network

12   address;

13   means for addressing the datagrams representing real time streaming media

14   frames to the source network address and source port number if the indicated network

15   address and the source network address are not the same.

16

1   4.   The device of claim 3, further comprising means for addressing the datagrams

2   representing real time streaming media frames to the indicated network address and

3   the indicated port number if the indicated network address and the source network

4   address are the same.

5

1   5.   A device for sending datagrams representing real time streaming frames to a

2   client independent of whether the client is served by a network address proxy, the

3   device comprising:

4   means for receiving a datagram originated by the client that includes an

5   indicated network address and an indicated port number for receipt of the datagrams

6   representing real time streaming media frames;

7   means for establishing a destination network address and destination port

8   number for sending the datagrams representing real time streaming media frames to

9   the client, the destination network address and destination port number:

10   being the indicated network address and the indicated port number

11   respectively if the indicated network address matches a source network address

12   extracted from the datagram; and

13   being a source network address and a source port number extracted from

14   the datagram if the indicated network address does not match the source

15   network address.

16

1   6.   A device for sending datagrams representing real time streaming frames to a

2   client independent of whether the client is served by a network address proxy, the

3   device comprising:

4   means for receiving a session set up datagram originated by the client that

5   includes an indicated network address and an indicated port number for receipt of the

6   datagrams representing real time streaming media frames;

7   means for receiving a session datagram originated by the client;

8   means for establishing a destination network address and destination port

9   number for sending the datagrams representing real time streaming media frames to

10   the client, the destination network address and destination port number:

11   being the indicated network address and the indicated port number

12   respectively if the indicated network address matches a source network address

13   extracted from the session datagram; and

14   being a source network address and a source port number extracted from

15   the datagram if the indicated network address does not match the source

16   network address extracted from the session datagram.

17

1   7.   The device of claim 6, wherein the session datagram originated by the client

2   comprises real time streaming media data.

3

1   8.   A method for sending datagrams representing real time streaming frames to a

2   client independent of whether the client is served by a network address proxy, the

3   method comprising:

4   receiving a datagram originated by the client that includes an indicated network

5   address and an indicated port number for receipt of the datagrams representing real

6   time streaming media frames;

7   extracting a source network address and a source port number from the

8   datagram originated by the client;

9   comparing the indicated network address to the source network address;

10   addressing the datagrams representing real time streaming media frames to the

11   source network address and source port number if the indicated network address and

12   the source network address are not the same.

13

1   9.   The method of claim 8, further comprising addressing the datagrams

2   representing real time streaming media frames to the indicated network address and

3   the indicated port number if the indicated network address and the source network

4   address are the same.

5

1   10.   A method for sending datagrams representing real time streaming frames to a

2   client independent of whether the client is served by a network address proxy, the

3   method comprising:

4   receiving a session set up datagram originated by the client that includes an

5   indicated network address and an indicated port number for receipt of the datagrams

6   representing real time streaming media frames;

7   receiving a session datagram originated by the client that includes a real time

8   streaming media frame;

9   extracting a source network address and a source port number from the session

10   datagram originated by the client;

11   comparing the indicated network address to the source network address;

12   addressing the datagrams representing real time streaming media frames to the

13   source network address and source port number if the indicated network address and

14   the source network address are not the same.

15

1   11.   The method of claim 10, further comprising means for addressing the datagrams

2   representing real time streaming media frames to the indicated network address and

3   the indicated port number if the indicated network address and the source network

4   address are the same.

5

1   12.   A method for sending datagrams representing real time streaming frames to a

2   client independent of whether the client is served by a network address proxy, the

3   method comprising:

4   receiving a datagram originated by the client that includes an indicated network

5   address and an indicated port number for receipt of the datagrams representing real

6   time streaming media frames;

7   establishing a destination network address and destination port number for

8   sending the datagrams representing real time streaming media frames to the client, the

9   destination network address and destination port number:

10   being the indicated network address and the indicated port number

11   respectively if the indicated network address matches a source network address

12   extracted from the datagram; and

13   being a source network address and a source port number extracted from

14   the datagram if the indicated network address does not match the source

15   network address.

16

1   13.   A method for sending datagrams representing real time streaming frames to a

2   client independent of whether the client is served by a network address proxy, the

3   method comprising:

4   receiving a session set up datagram originated by the client that includes an

5   indicated network address and an indicated port number for receipt of the datagrams

6   representing real time streaming media frames;

7   receiving a session datagram originated by the client;

8   establishing a destination network address and destination port number for

9   sending the datagrams representing real time streaming media frames to the client, the

10   destination network address and destination port number:

11   being the indicated network address and the indicated port number

12   respectively if the indicated network address matches a source network address

13   extracted from the session datagram; and

28

14   being a source network address and a source port number extracted from

15   the datagram if the indicated network address does not match the source

16   network address extracted from the session datagram.

17

1   14.   The method claim 13, wherein the session datagram originated by the client

2   comprises real time streaming media data.

3

4

5